

IN THE CLAIMS

1. (Currently Amended) A capillary electrophoresis system, comprising:

a ~~wafery~~wafer-shaped part having passages for introducing sample solutions; and

a body having a configuration suitable to removably hold and to move said ~~wafery~~wafer-shaped part ~~attached in a~~ relatively to said wafer-shaped part ~~manner~~, wherein

said body includes,

first and second electrodes for applying a voltage between both ends of passages of said ~~wafery~~wafer-shaped part ~~to separate and take out said sample solution from one end for~~ electrophoresis, and

first and second buffer reservoirs conductive to said passages ~~of said wafery part at a specific position for~~ filling buffer solution around said first and second electrodes, and said wafer part moves relatively to said body to form an electroosmotic flow in one of said passages.

2. (Currently Amended) A capillary electrophoresis system according to claim 1, wherein said ~~wafery~~wafer-shaped part is made of a dielectric material.

3-4. (Canceled)

5. (Currently Amended) A capillary electrophoresis system according to claim ~~4~~1, wherein said passages are formed in said ~~wafer~~wafer-shaped part at an even interval at least in an end of passages.

6-7. (Canceled)

8. (Currently Amended) A capillary electrophoresis system according to claim 1, wherein at least part of said ~~wafer~~wafer-shaped part is formed of a dielectric material.

9. (Currently Amended) A capillary electrophoresis system, comprising:

a ~~wafer~~wafer-shaped part having passages filled with a buffer solution for introducing sample solutions together; and

a body having a configuration suitable to removably hold and to move said ~~wafer~~wafer-shaped part attached in a relative manner, wherein

said body includes:

first and second electrodes for applying a voltage between both ends of passages of said ~~wafery~~wafer-shaped part to separate and take out said sample solutions; and

first and second buffer reservoirs conductive to said passages of said ~~wafery~~wafer-shaped part at a specific position for filling buffer solution around said first and second electrodes,

wherein said wafer-shaped part moves relatively to said body to form an electroosmotic flow in one of said passages.

10. (Currently Amended) A capillary electrophoresis system according to claim 9, wherein said ~~wafery~~wafer-shaped part is made of a dielectric material.

11-12. (Canceled)

13. (Currently Amended) A capillary electrophoresis system according to claim ~~12~~9, wherein said passages are formed in said ~~wafery~~wafer-shaped part at an even interval at least in an end of passages.

14. (Currently Amended) A sample cassette for electrophoresis separation, comprising:

a carriable holder in which is inserted a ~~wafery~~wafer-
shaped part having passages filled with a solution,
wherein said wafer-shaped part moves relatively to a body
of a capillary electrophoresis system containing said cassette
to form an electroosmotic flow in one of said passages.

15. (Currently Amended) A sample analyzing system
comprising:

a capillary electrophoresis system having a ~~wafery~~wafer-
shaped part having passages for introducing a sample solution,
and a body having a configuration suitable to removably hold
and to move said ~~wafery~~wafer-shaped part attached in a
relative manner, in which said body includes first and second
electrodes for applying a voltage across both ends of passages
of said ~~wafery~~wafer-shaped part to separate and take out said
sample solution, and first and second buffer reservoirs
conductive to said passages of said ~~wafery~~wafer-shaped part at
a specific position for filling buffer solution around said
first and second electrodes; and

an analyzer for optically detecting and analyzing a
sample that is electrophoretically separated ~~the solution~~
~~having electrophoresis separated by~~ said capillary
electrophoresis system,

wherein said wafer-shaped part moves relatively to said body to form an electroosmotic flow in one of said passages.

16. (Currently Amended) A sample analyzing system comprising:

a capillary electrophoresis system having a ~~wafer~~wafer-shaped part having passages filled with buffer solution for introducing a sample solution, and a body having a configuration suitable to removably hold and to move said ~~wafer~~wafer-shaped part attached in a relative manner, in which said body includes first and second electrodes for applying a voltage across both ends of passages of said ~~wafer~~wafer-shaped part to separate and take out said sample solution, and first and second buffer reservoirs conductive to said passages of said ~~wafer~~wafer-shaped part at a specific position for filling buffer solution around said first and second electrodes; and

an analyzer for optically detecting and analyzing the solution having electrophoresis separated by said capillary electrophoresis system,

wherein said wafer-shaped part moves relatively to said body to form an electroosmotic flow in one of said passages.

17. (Currently Amended) A sample analyzing system comprising:

a capillary electrophoresis system having a ~~wafery~~wafer-shaped part having passages for introducing a sample solution, and a body having a configuration suitable to removably hold and to move said ~~wafery~~wafer-shaped part attached in a relative manner, in which said body includes first and second electrodes for applying a voltage across both ends of passages of said ~~wafery~~wafer-shaped part to separate and take out said sample solution, and first and second buffer reservoirs conductive to said passages of said ~~wafery~~wafer-shaped part at a specific position for filling buffer solution around said first and second electrodes;

an ion source connected to one of said buffer reservoirs of said capillary electrophoresis system for ionizing the solution spilled from said ~~wafery~~wafer-shaped part into gaseous ions; and

a mass spectrometer for performing mass analysis of the ions emitted from said ion source,

wherein said wafer-shaped part moves relatively to said body to form an electroosmotic flow in one of said passages.

18. (Currently Amended) A sample analyzing system comprising:

a capillary electrophoresis system having a ~~wafery~~wafer-shaped part having passages for introducing a sample solution, and a body having a configuration suitable to removably hold and to move said ~~wafery~~wafer-shaped part attached in a relative manner, in which said body includes first and second electrodes for applying a voltage across both ends of passages of said ~~wafery~~wafer-shaped part to separate and take out said sample solution, and first and second buffer reservoirs conductive to said passages of said ~~wafery~~wafer-shaped part at a specific position for filling buffer solution around said first and second electrodes;

an ion source connected to one of said buffer reservoirs of said capillary electrophoresis system for ionizing the ~~liquid~~-sample solution isolated by electrophoresis from said ~~wafery~~wafer-shaped part into gaseous ions; and

a mass spectrometer for performing mass analysis of the ions emitted from said ion source,

wherein said wafer-shaped part moves relatively to said body to form an electroosmotic flow in one of said passages.

19. (Currently Amended) A sample analyzing system comprising:

a capillary electrophoresis system having a ~~wafer~~wafer-shaped part having passages filled with buffer solution for introducing a sample solution, and a body having a configuration suitable to removably hold and to move said ~~wafer~~wafer-shaped part attached in a relative manner, in which said body includes first and second electrodes for applying a voltage across both ends of passages of said ~~wafer~~wafer-shaped part to separate and take out said sample solution, and first and second buffer reservoirs conductive to said passages of said ~~wafer~~wafer-shaped part at a specific position for filling buffer solution around said first and second electrodes;

an ion source connected to one of said buffer reservoirs of said capillary electrophoresis system for ionizing the solution spilled from said ~~wafer~~wafer-shaped part into gaseous ions; and

a mass spectrometer for performing mass analysis of the ions emitted from said ion source,

wherein said wafer-shaped part moves relatively to said body to form an electroosmotic flow in one of said passages.